ABSTRACT OF THE DISCLOSURE

A method and system determine a high part of a floating point operand. Exponent field bits and fraction field bits of a result are set to a zero if the determined format is an infinity format or an overflow format. The exponent field bits and the fraction field bits of the result are set to corresponding exponent field bits and corresponding fraction field bits of the floating point operand if the determined format is a not-a-number (NaN) format. At least one of the fraction field bits of the result is adaptively cleared if the determined format is a denormalized format or a delimited format.